



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 5-7-98
FAX#: 702-856-1818
ATTN: JIM ASHTON
COMPANY: WESTERN STATES MINERALS
DEPARTMENT: _____
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From: RANDY HARDEN

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MESSAGES:

JIM -
THANK FOR THE HELP ON THIS.
COMMENTS WELCOME.
SORRY I WAS RUNNING CATR ON
THIS TODAY.
THANKS RANDY

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P. 01

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2

ESTIMATED QUANTITIES AND PARAMETERS FOR LABORATORY ANALYSIS			
DESCRIPTION	ESTIMATED QUANTITIES		
	JUMBO	WESTERN	TOTAL
HEAP AND WASTE DUMP MATERIALS ANALYSIS			
Composite Sample Preparation Blending, splitting and composting approximately 15 samples to produce each composite sample.			
MWMP (Meteoric Water Mobility Procedure) & NDEP Profile II (MWMP - Nevada protocol and SPLP (Synthetic Precipitation Leaching Procedure) EPA Method 1312)			
Static Test (Modified Sobek Method w/paste pH)			
AGP - ANP (Acid Generating Potential - Acid Neutralization Potential)			
Moisture content and WAD CN Analysis			
Permeability, specific retention and porosity testing			
SOILS SAMPLING AND ANALYSIS			
Growth Media Samples Parameters: Texture, pH, EC (conductivity), Saturation Percentage, SAR, Percent Organic Matter, CEC (cation exchange capacity), Alkalinity, CaCO ₃ , Sulfur (acid potential), Selenium, Total Nitrogen, Nitrate Nitrogen, Phosphorous (as P ₂ O ₅), Potassium (as K ₂ O)			